

1 1. (As Amended) An electric vehicle comprising:  
2 an axle,  
3 wheels supported on said axle,  
4 a drive unit for rotating said axle,  
5 a power supply unit for feeding electric power to said drive unit,  
6 wherein said drive unit includes a motor,  
7 said motor includes a stator core, said stator core has  $3n$  teeth, where  
8  $n$  is a natural number, a concentrated winding applied over each tooth part of said  
9 teeth, and  
10 a rotor including  $2n$  permanent magnets.

1 3. (As Amended) An electric vehicle comprising:  
2 an axle,  
3 wheels supported on said axle,  
4 a drive unit for rotating said axle, and  
5 a power supply unit for feeding electric power to said drive unit,  
6 wherein said drive unit includes a motor,  
7 said motor includes a stator core and said stator core has  $3n$  teeth  
8 where  $n$  is a natural number,

9 a concentrated winding applied over each tooth part of said teeth,  
10 and

11 a rotor including a plurality of  $2n$  permanent magnets,

12 said plurality of  $2n$  permanent magnets are arranged around a shaft  
13 of said motor,

14 at least one of said plurality of  $2n$  permanent magnets includes a  
15 magnet forward portion and a magnet backward portion, and

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16 wherein said magnet forward portion is angled from said stator core  
17 towards said shaft such that a first end of said magnet forward position is closer to  
18 said stator core than a second end of said magnet forward portion, said magnet  
19 backward portion is angled from said stator core towards said shaft such that a  
20 second end of said magnet backward portion is closer to said stator core than a first  
21 end of said magnet backward portion, said second end of said magnet forward  
22 portion being coupled to said first end of said magnet backward portion.

1 4. (As Amended) An electric vehicle comprising:

2 an axle,

3 wheels supported on said axle,

4 a drive unit for rotating said axle, and

5 a portion supply unit for feeding electric power to said drive unit,

6 wherein said drive element includes a motor,

7 said motor includes a stator core and said stator core has  $3n$  teeth  
8 where  $n$  is a natural number, a concentrated winding applied over each tooth part  
9 of said teeth, and

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10 a rotor including a plurality of  $2n$  permanent magnets,

11 said plurality of permanent magnets are arranged around a shaft of  
12 said motor and;

13 at least one of said plurality of permanent magnets has a side which  
14 is angled from said stator core towards said shaft.

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Please add new claims 25 and 26 as follows:

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1 25. (Newly Added) An electric vehicle comprising:

2 an axle,

3 wheels supported on said axle,

4 a drive unit for rotating said axle,

5 a power supply unit for feeding electric power to said drive unit,

6 wherein said drive unit includes a motor and an engine,

7 said motor includes a stator core and said stator core has  $3n$  teeth

8 where  $n$  is a natural number, a concentrated winding applied over each tooth part  
9 of said teeth; and

10 a rotor including a plurality of  $2n$  permanent magnets.

1 26. (Newly Added) An electric vehicle comprising:

2 an axle,  
3 wheels supported on said axle,  
4 a drive unit for rotating said axle,  
5 a power supply unit for feeding electric power to said drive unit,  
6 wherein said drive unit includes a motor and an engine,  
7 said motor includes a stator core and said stator core has  $3n$  teeth  
8 where  $n$  is a natural number, a concentrated winding applied over each tooth part  
9 of said teeth,  
10 a rotor including a plurality of  $2n$  permanent magnets, and  
11 a first outer periphery portion of said rotor if of a different shape  
12 than a second outer periphery portion of said rotor.

Respectfully submitted,

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Enclosures: Version with Markings to Show Changes Made  
Dated: November 27, 2001  
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The Assistant Commissioner for Patents is  
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Kathleen Libby